

eBMS database overview

What? When? Where?



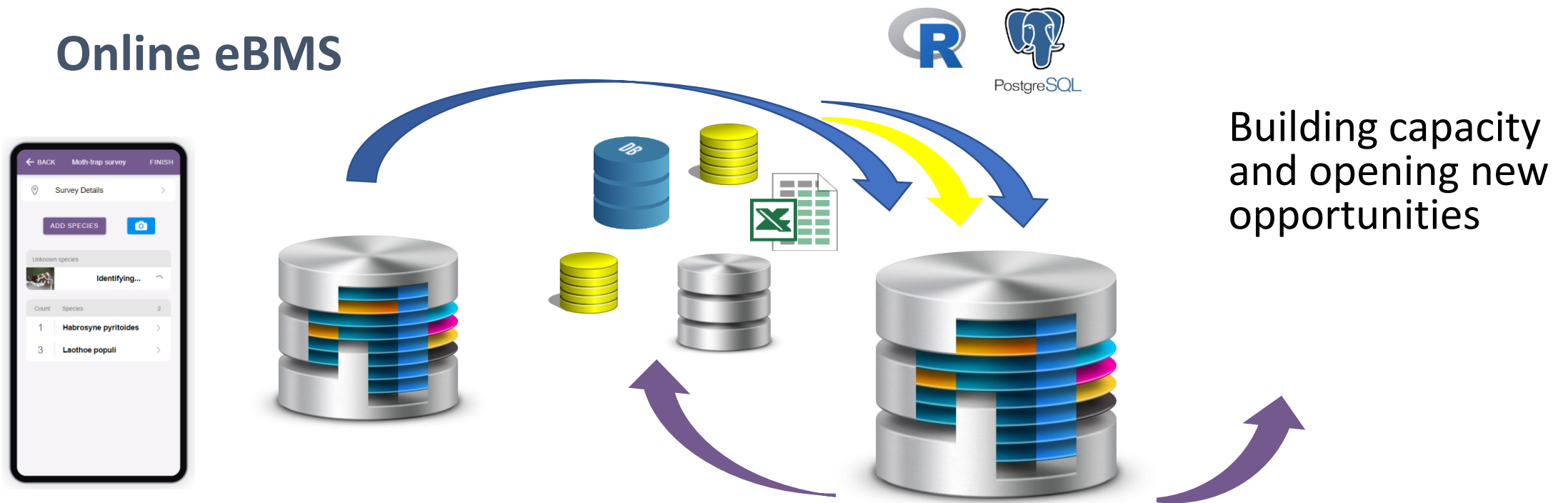
Reto Schmucki

UK Centre for Ecology &
Hydrology

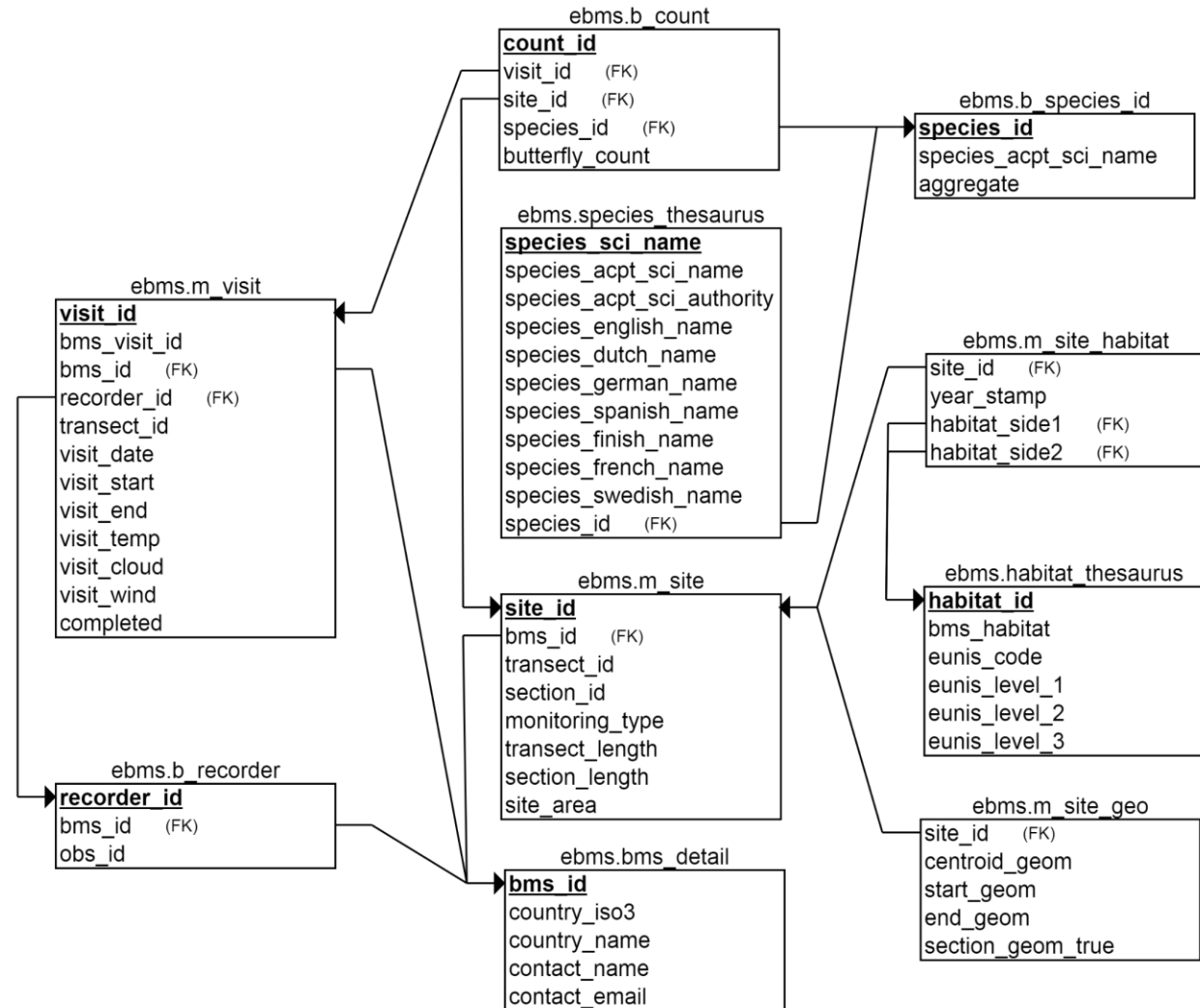


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The eBMS concept

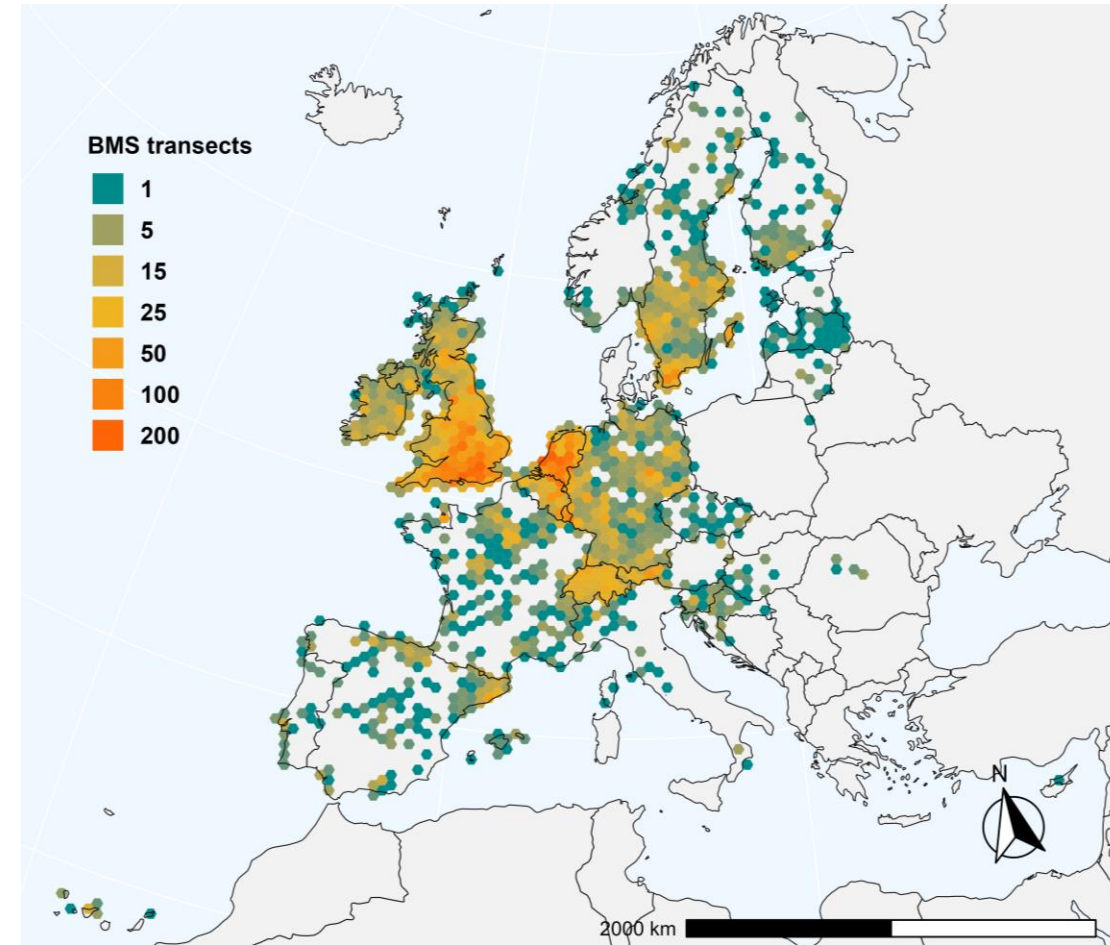


The eBMS data model



The eBMS in numbers (1990 - 2020) eBMS v4.2

- ▶ Thousands of volunteers = high frequency of data
- ▶ 15 million counts (44 years)
- ▶ BMS grows in Europe: total 28 BMS in 23 countries
- ▶ 5,695,475 observations
- ▶ 991,225 visits
- ▶ 12,281 transects
- ▶ 17,600 km of transects
- ▶ 324 registered butterfly species



(data update - August 2022)

Density of BMS transects per 50x50 Km

Since 1976

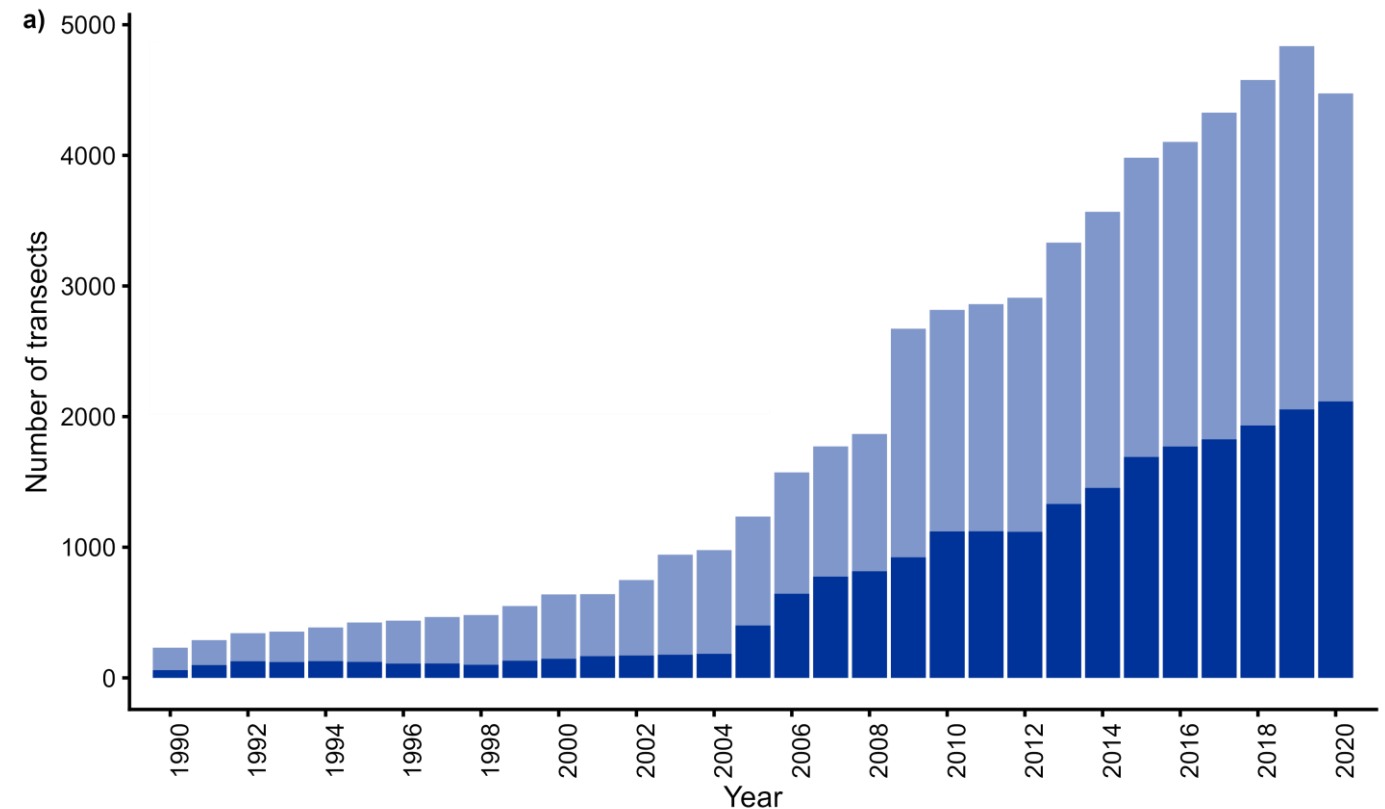
Europe : 12,901

EU-27 : 7,122

Transects with at least 5 years sampled after 2000

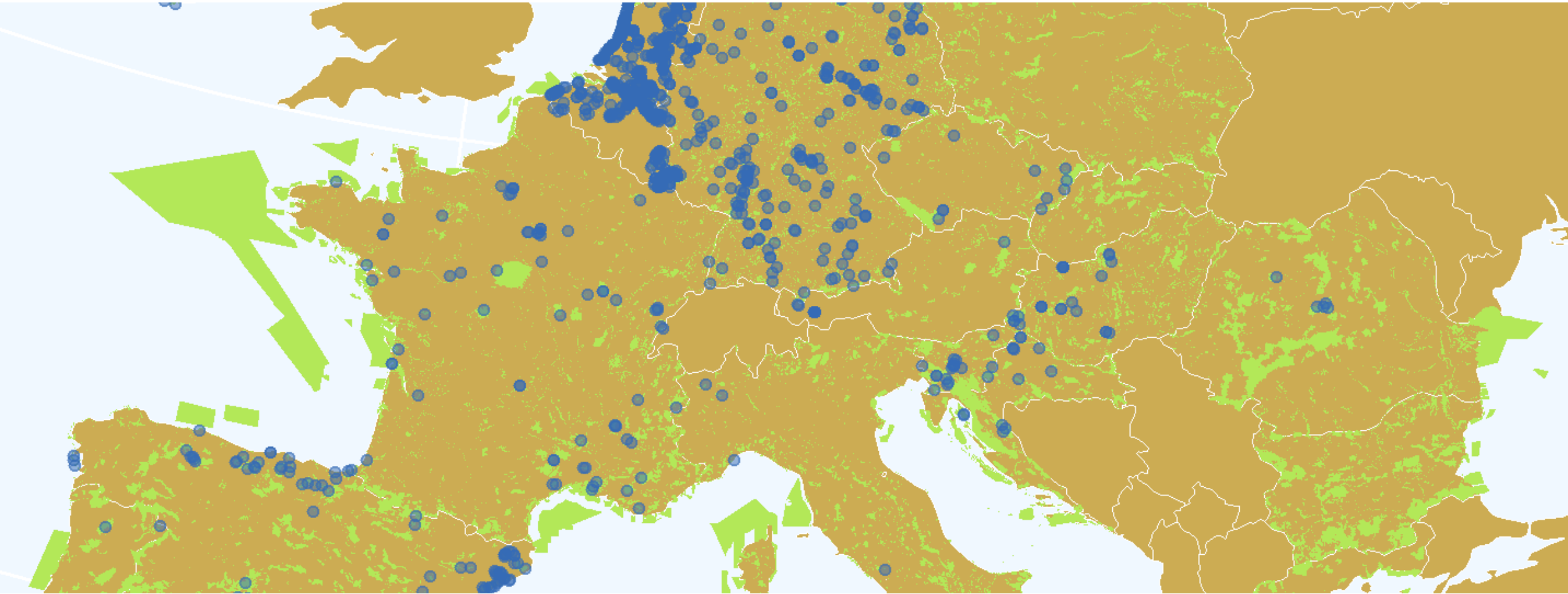
Europe: 4,223

EU-27: 2,042



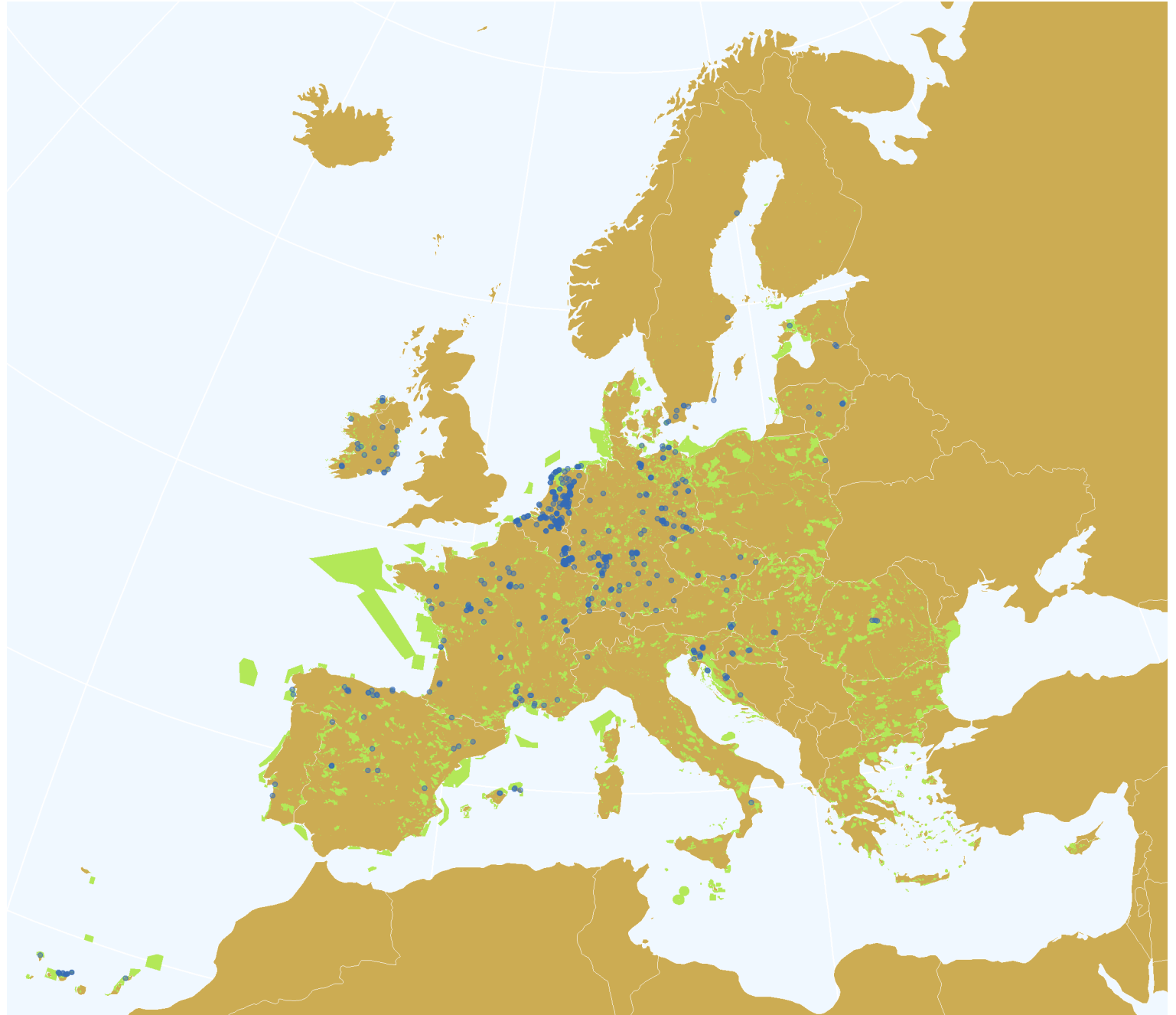
NATURA 2000

1,907 transects



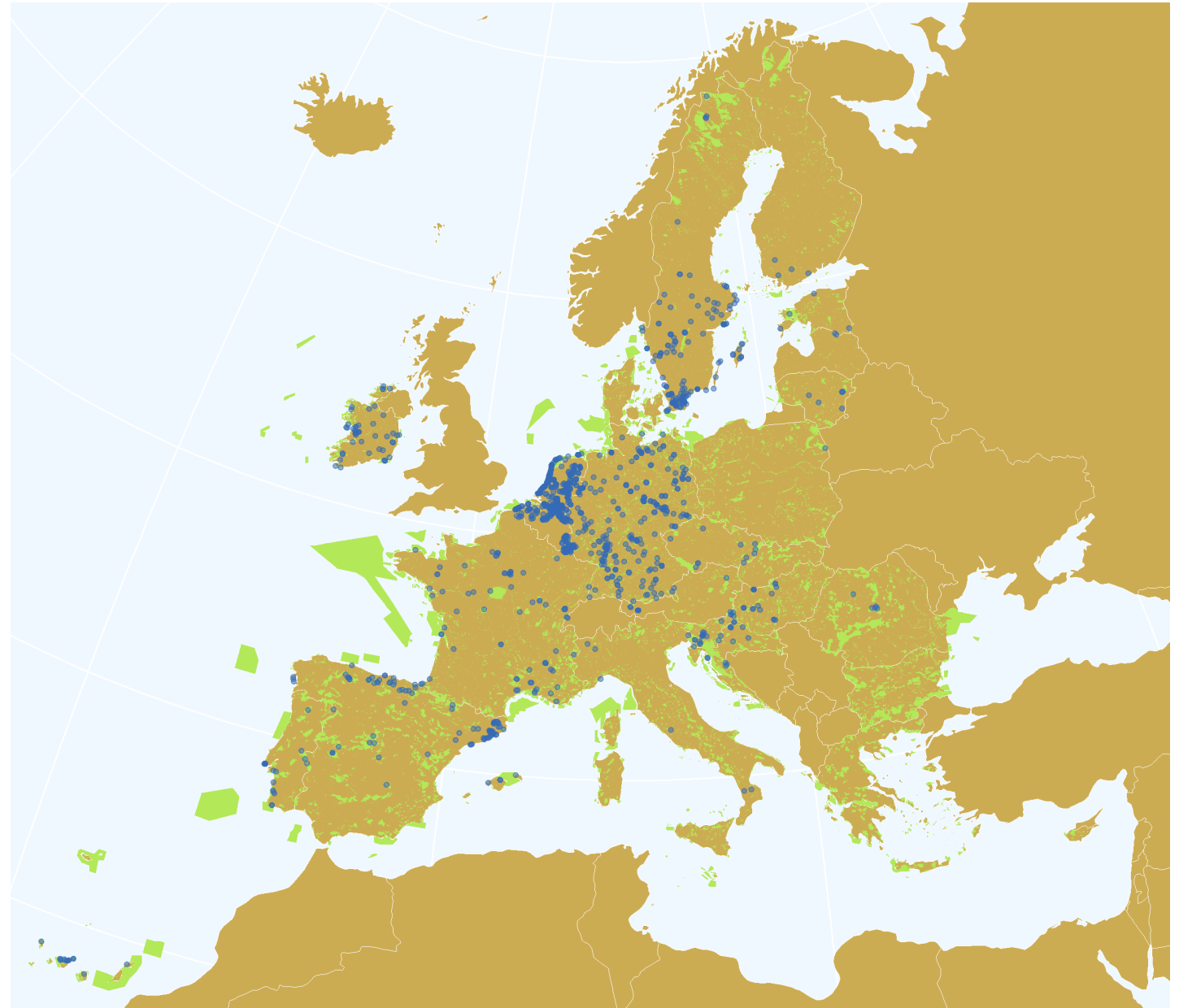
NATURA 2000 (Bird Directive)

649 transects



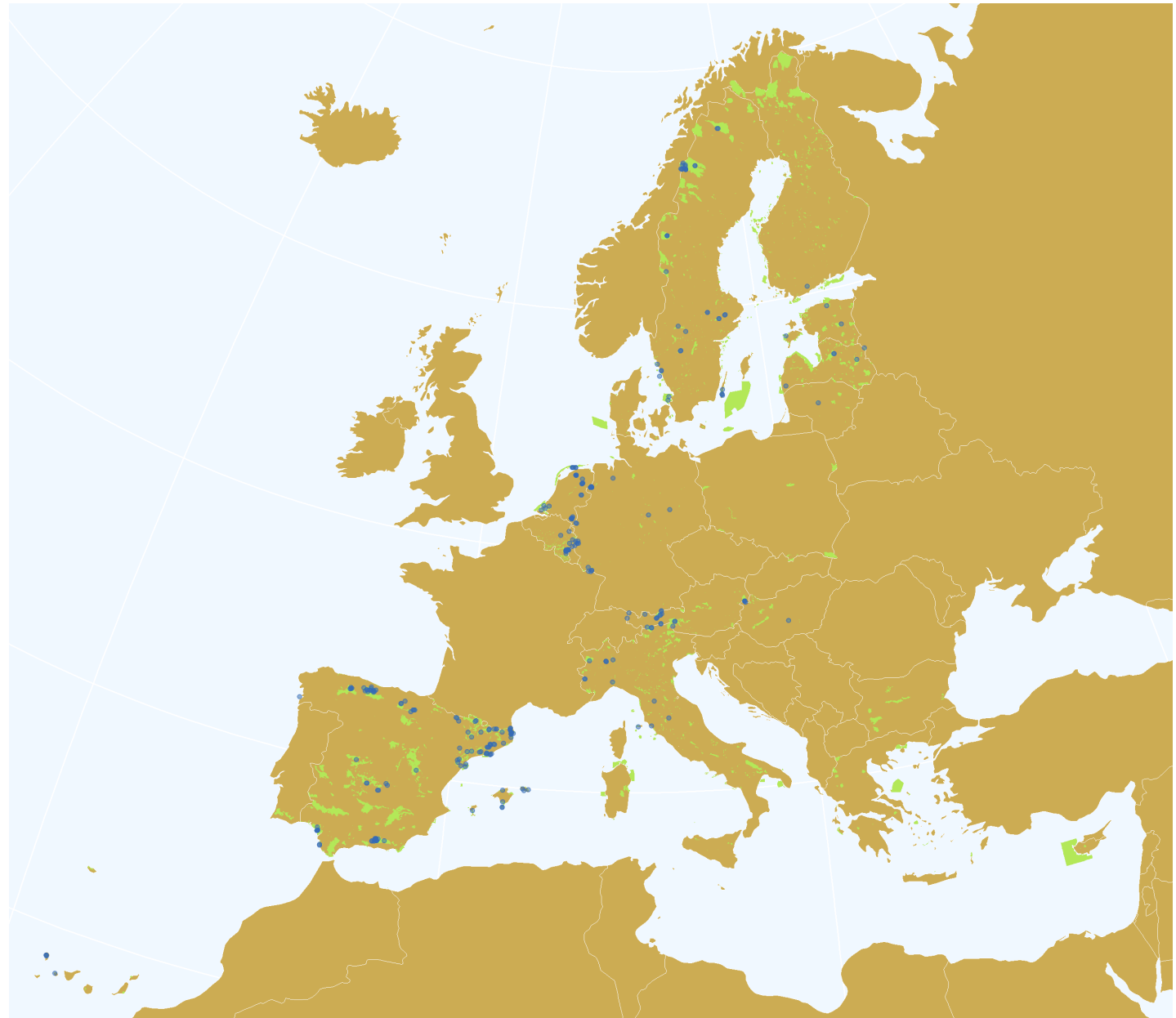
NATURA 2000 (Habitat Directive)

1,433 transects



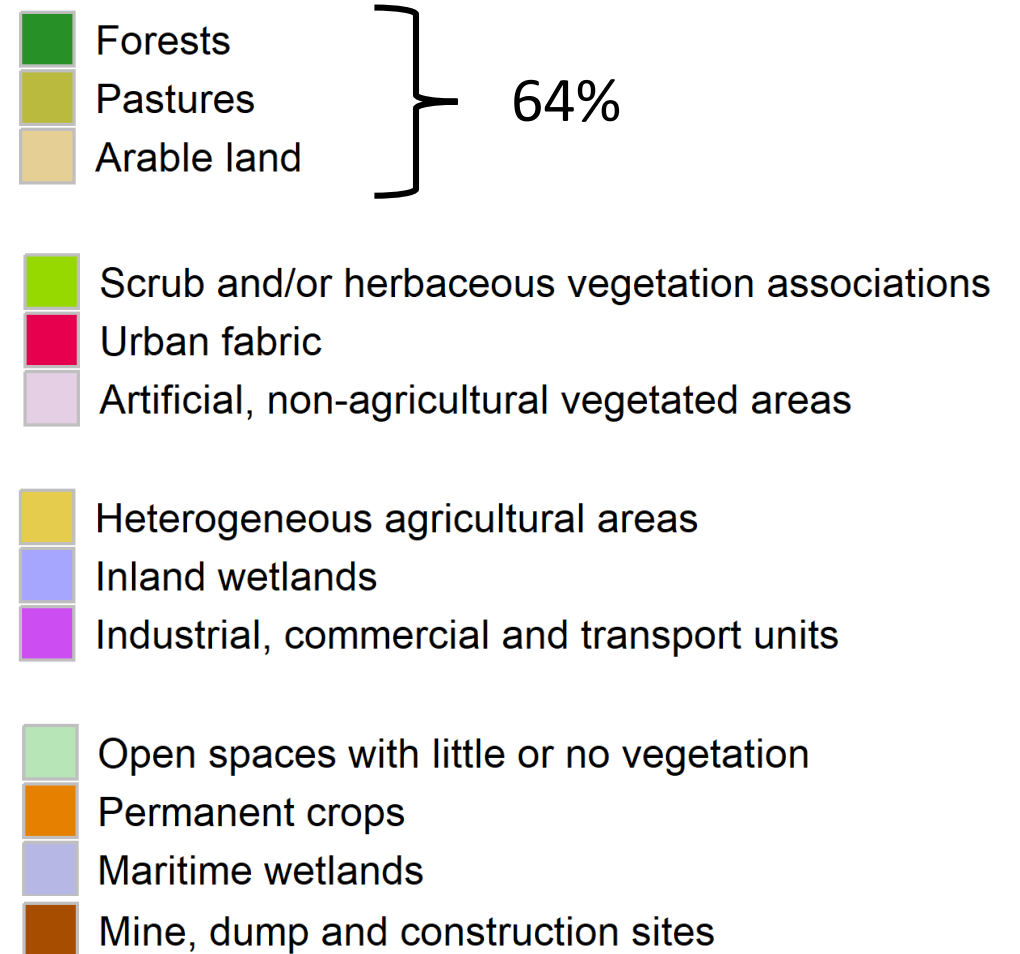
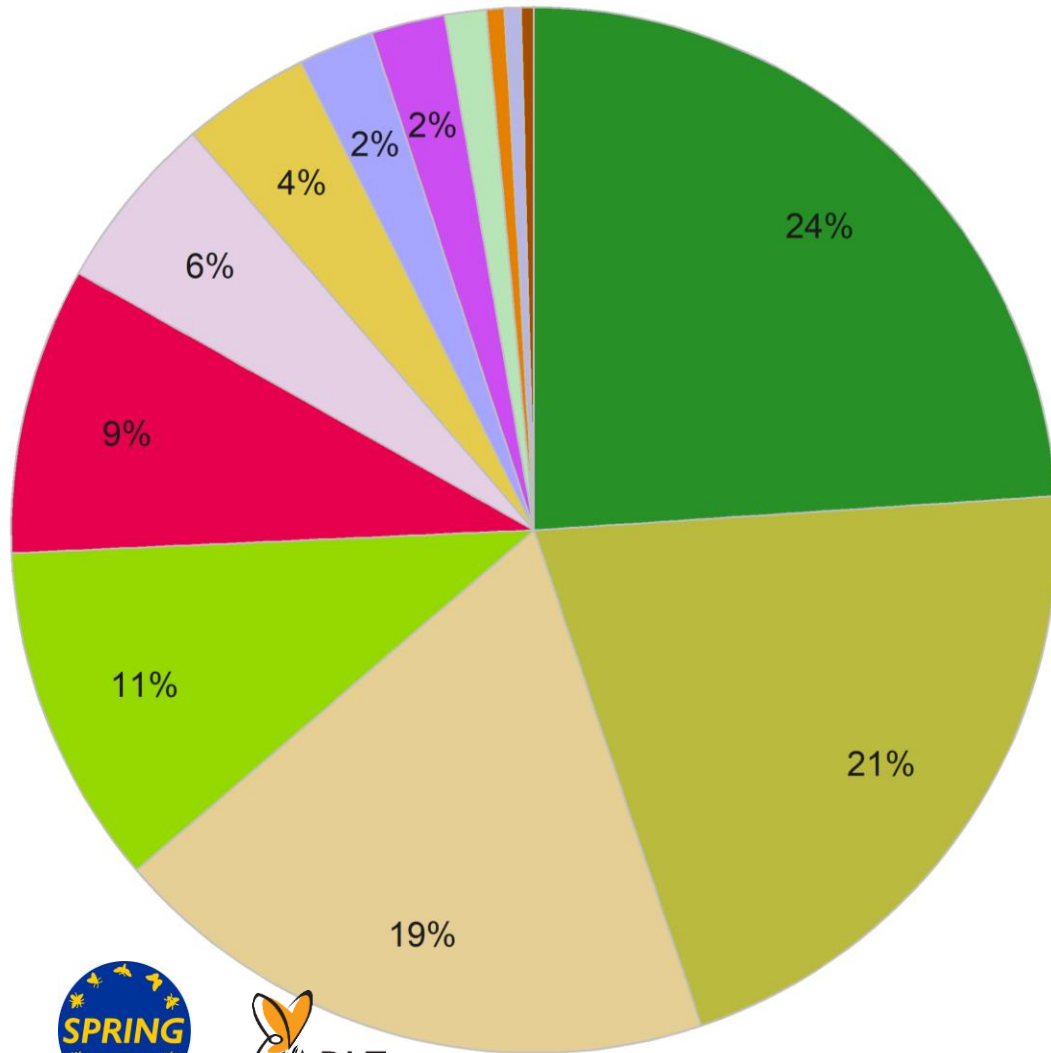
NATURA 2000 (Bird & Bird Directive)

329 transect



CORINE LAND COVER 2018

(100 m – Level 2)







Challenges

Opportunities

Next steps

